

Fig. 3

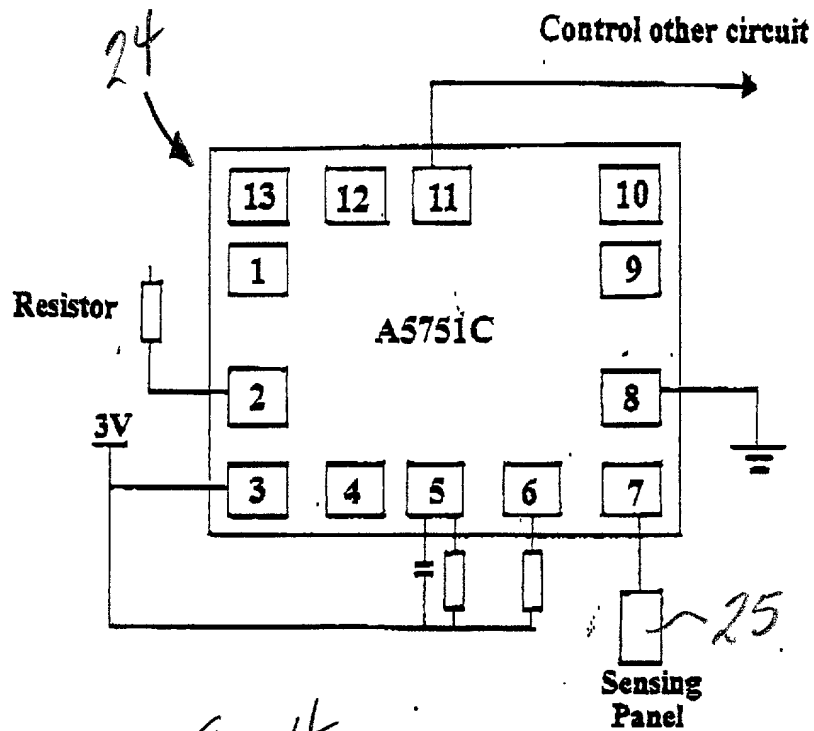


Fig. 4

24

Block Diagram

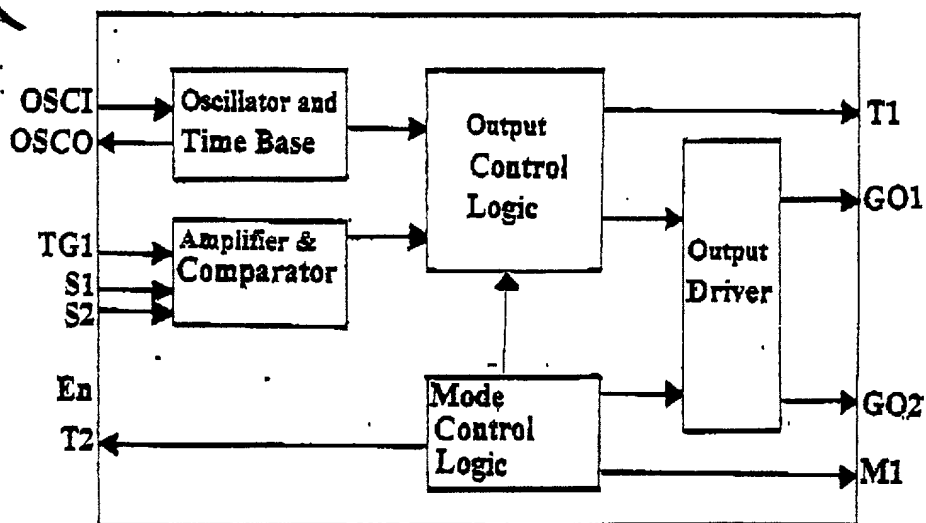


Fig. 5

Chart of signals in contactless cup

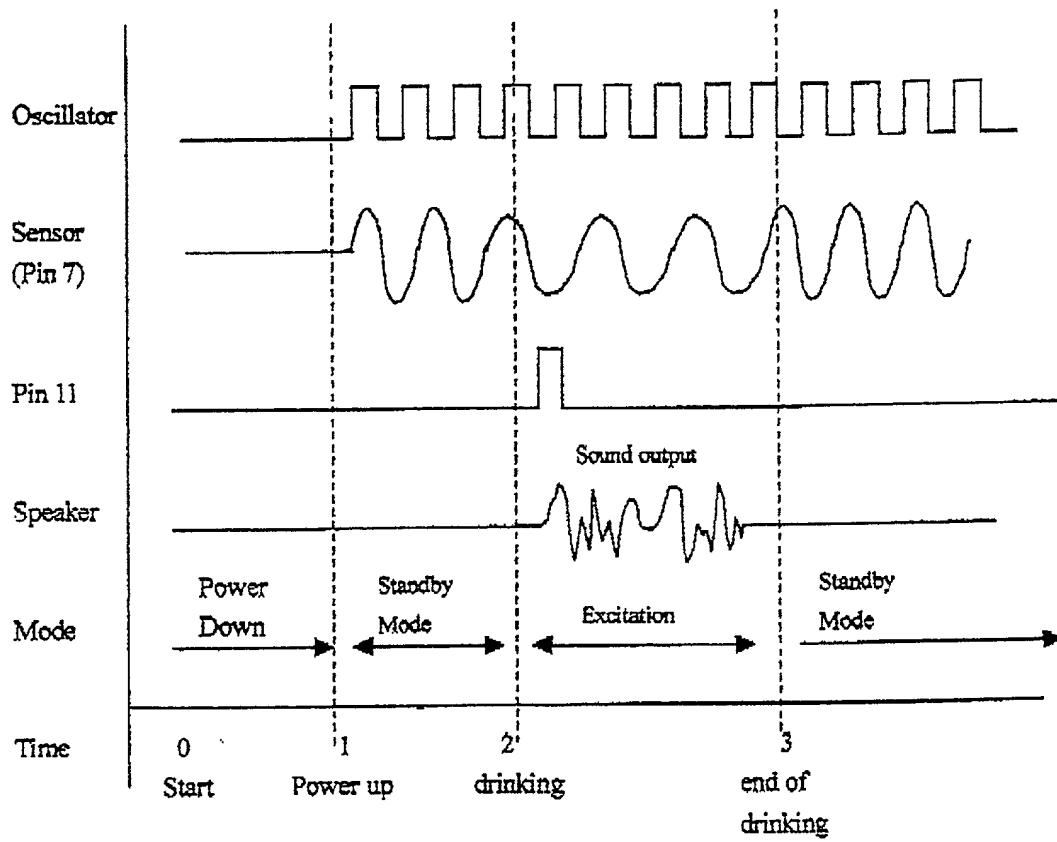


Fig. 6

DATE	TIME	NAME	ADDRESS	CITY	STATE	ZIP
11/11/77	11:00	JOHN	1234	NEW YORK	NY	10001
11/12/77	12:00	JANE	5678	LOS ANGELES	CA	90001
11/13/77	13:00	JOHN	9012	CHICAGO	IL	60601
11/14/77	14:00	JANE	3456	HONOLULU	HI	96801
11/15/77	15:00	JOHN	7890	PHOENIX	AZ	85001
11/16/77	16:00	JANE	2345	PORTLAND	OR	97201
11/17/77	17:00	JOHN	6789	SAN FRANCISCO	CA	94101
11/18/77	18:00	JANE	0123	BOSTON	MA	02101
11/19/77	19:00	JOHN	4567	DALLAS	TX	75201
11/20/77	20:00	JANE	8901	SEATTLE	WA	98101
11/21/77	21:00	JOHN	2345	MIAMI	FL	33101
11/22/77	22:00	JANE	6789	KANSAS CITY	MO	64101
11/23/77	23:00	JOHN	0123	INDIANAPOLIS	IN	46201
11/24/77	24:00	JANE	4567	COLUMBIA	SC	29201
11/25/77	25:00	JOHN	8901	MEMPHIS	TN	38101
11/26/77	26:00	JANE	2345	DETROIT	MI	48201
11/27/77	27:00	JOHN	6789	MINNEAPOLIS	MN	55401
11/28/77	28:00	JANE	0123	WICHITA	KS	67201
11/29/77	29:00	JOHN	4567	OKLAHOMA CITY	OK	73101
11/30/77	30:00	JANE	8901	TOPEKA	KS	66601

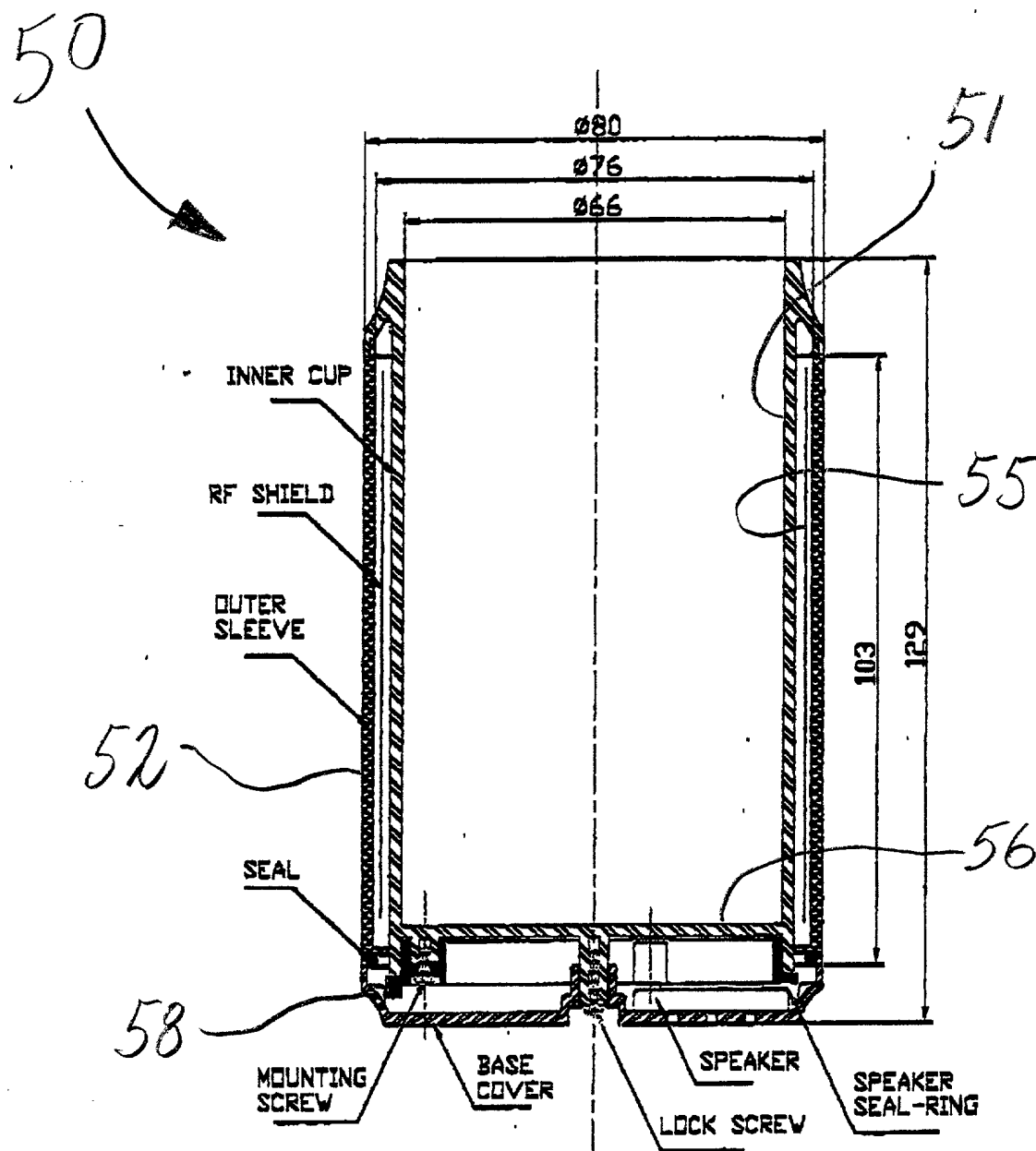


Fig. 7